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NOTICE OF ALLOWANCE AND FEE(S) DUE

38834 7590 07728/2008
WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP
1250 CONNECTICUT AVENUE, NW
SUITE 700.

EXAMINER
HARVEY, JAMES R
ART UNIT PAPER NUMBER
2813

DATE MAILED: 07/28/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/549,626	02/17/2006	Akihiro Teramachi	053045	6052
TITLE OF INVENTION: L	INEAR MOTOR ACTUATOR	OR .		

 APPLN TYPE
 SMALL ENTITY
 ISSUE FEE DUE
 PUBLICATION FEE DUE
 PREV. PAID ISSUE FEE
 TOTAL FEES DUE
 DATE DUE

 nonprovisional
 NO
 \$1440
 \$300
 \$0
 \$1740
 10/28/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

WASHINGTON DC 20036

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless correcte maintenance fee notifical	correspondence includir ed below or directed oth	ng the Patent, advance nerwise in Block 1, by	orders and notification of (a) specifying a new corr	maintenance fees v espondence address	vill be ; and/o	mailed to the current r (b) indicating a sepa	correspondence address as arate "FEE ADDRESS" for
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10/549,626	02/17/2006		Akihiro Teramachi			053045	6052
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nonprovisional	NO	\$1440	\$300	\$0 \$1740		10/28/2008	
EXAM	INER	ART UNIT	CLASS-SUBCLASS	7			
HARVEY,	JAMES R	2833	310-012000	_			
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☐ Change of correspondence address for Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.				of a single firm (having as a member a 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	N THE PATENT (print or t	ype)			
		ified below, no assigne pletion of this form is N					ocument has been filed for
(A) NAME OF ASSIG	JNEE		(B) RESIDENCE: (CIT	Y and STATE OR G	JOUN	IKY)	
Please check the appropri	iate assignee category or	categories (will not be	printed on the patent):	Individual C	orporat	ion or other private gr	oup entity Government
4a. The following fee(s)	are submitted:		4b. Payment of Fee(s): (PI	ease first reapply a	ny pre	viously paid issue fee	shown above)
Issue Fee	o small entity discount p	in- D	A check is enclosed Payment by credit of			and and	
Advance Order -		permitted)					ficiency, or credit any n extra copy of this form).
5. Change in Entity Stat	tue (feem starus in disate	d aborra)	overpayment, to De	oosit Account Numb	er	(enclose a	n extra copy of this form).
	s SMALL ENTITY state		b. Applicant is no k	nger claiming SMA	LLEN	TITY status. Sec 37 C	FR 1.27(g)(2).
NOTE: The Issue Fee and	d Publication Fee (if req	uired) will not be accep ites Patent and Tradema	ted from anyone other than	the applicant; a reg	istered	attorney or agent; or the	ne assignee or other party in
Authorized Signature							
Typed or printed name				Registration 1			
		FR 1 311. The informa	tion is required to obtain o	-		die which is to file (an	d by the LISPTO to process)
an application. Confident submitting the completed this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	liality is governed by 35 l application form to the ons for reducing this bu- irginia 22313-1450. DC 13-1450.	U.S.C. 122 and 37 CF. USPTO. Time will varden, should be sent to O NOT SEND FEES OF	R 1.14. This collection is or ry depending upon the inc the Chief Information Offi R COMPLETED FORMS	ividual case. Any co cer, U.S. Patent and TO THIS ADDRES	minute ommen Trader S. SEN	ts on the amount of ti mark Office, U.S. Dep D TO: Commissioner	d by the USPTO to process) ig gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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SUITE 700 WASHINGTON	, DC 200	36		2833	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 468 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 468 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)		
10/549,626	TERAMACHI ET AL.		
Examiner	Art Unit		
James Harvey	2833		

The MAILING DATE of this communication appears on the cover sheet with the correspondence address
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included
herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS
NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative
of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.

2. ☑ The allowed claim(s) is/are 1-10.

3. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☑ All b) ☐ Some* c) ☐ None of the:

1. ☑ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. ____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDOMMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date ____
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2.
 Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date <u>9-20-05 & 12-16-05</u>

 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413),
 Paper No./Mail Date .
- 7.

 Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. 🔲 Other _____.

/James Harvey/ Primary Examiner, Art Unit 2833 Application/Control Number: 10/549,626 Page 2

Art Unit: 2833

DETAILED ACTION

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

This application claims the following structure:

An endless circulation passage in which the balls circulate, the armature is located within the guide passage of the track rail while being fixed to the connecting top board at a position between the pair of sliders, the field magnet being opposed to the armature core fixed to the connecting top board, the stationary base portion of the track rail serving as a yoke of the field magnet (claim 1).

The above noted structure in combination with all the other elements of the claim is not shown in a publication and the examiner knows of no permissible motivation to combine the prior art such that the subject matter as a whole would have been obvious at the time the invention was made.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to James R. Harvey whose telephone number is 571-272-2007. The examiner can normally be reached from 8:00 A.M. to 5:00 P.M. Application/Control Number: 10/549,626 Page 3

Art Unit: 2833

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Renee Luebke can be reached on 571-272-2800 extension 33.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 571-272-2800.

Applicant is encouraged to send correspondence through the USPTO fax number 571-273-

8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/James Harvey/ James Harvey

Primary Examiner